### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau





### (43) International Publication Date 10 February 2005 (10.02.2005)

#### **PCT**

## (10) International Publication Number WO 2005/012794 A1

(51) International Patent Classification<sup>7</sup>: F23L 9/02

F24B 5/02,

(21) International Application Number:

PCT/NO2004/000235

(22) International Filing Date: 4 August 2004 (04.08.2004)

(25) Filing Language:

Norwegian

(26) Publication Language:

English

(30) Priority Data: 20033457

4 August 2003 (04.08.2003) No

(71) Applicant and

(72) Inventor: HUSTAD, Johan, Einar [NO/NO]; N. Møllerberggt. 44A, N-7014 Trondheim (NO).

(74) Agent: BRYN AARFLOT AS; P.O. Box 449, Sentrum, N-0104 Oslo (NO).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM. AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

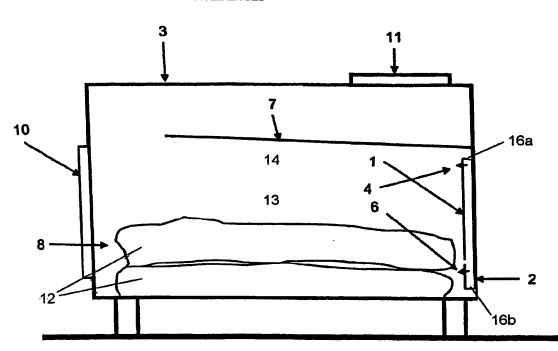
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

#### (54) Title: AFTERBURNER DEVICE FOR FIREPLACES



(57) Abstract: Afterburner, to be installed in already existing stoves, for reduction of emissions from a stove, where the afterburner is based on the principle of supplying fresh, heated air in a zone (14) above a combustion chamber (13). The afterburner is characterised in that it consists of a folded plate (1) with holes (4, 6) for after-installation on the inside of a rear or side wall in a traditional stove constructed without an aperture for secondary air, and for cooperation with at least one aperture for secondary air (2) arranged in the rear or side wall when the plate (1) is installed in an already existing traditional stove.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.